

OCT 0 3 2001

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## TECH CENTER 1600/2900

RAW SEQUENCE LISTING

DATE: 09/27/2001

PATENT APPLICATION: US/09/619,032

TIME: 15:42:46

Input Set : N:\Crf3\RULE60\09619032.txt Output Set: N:\CRF3\09272001\I619032.raw

## SEQUENCE LISTING

|       | SEQUENCE LISTING   |
|-------|--|
| C> 5  | (1) GENERAL INFORMATION:   |
| 7     | (i) APPLICANT: Murphy, Dennis  |
| 8     | Reid, John   |
| C> 10 | (ii) TITLE OF INVENTION: ALPHA-GALACTOSIDASE   |
| 12    | (iii) NUMBER OF SEQUENCES: 4   |
| 14    | (iv) CORRESPONDENCE ADDRESS:   |
| 15    | (A) ADDRESSEE: Fish & Richardson, P.C.   |
| 16    | (B) STREET: 4225 Executive Square, Suite 1400  |
| 17    | (C) CITY: La Jolla   |
| 18    | (D) STATE: CA  |
| 19    | (E) COUNTRY: US  |
| 20    | (F) ZIP: 92037   |
| 22    | (V) COMPUTER READABLE FORM:  |
| 23    | (A) MEDIUM TYPE: Diskette  |
| 24    | (B) COMPUTER: IBM Compatible   |
| 25    | (C) OPERATING SYSTEM: Windows95  |
| 26    | (D) SOFTWARE: FastSEQ for Windows Version 2.0  |
| 28    | (Wi) CURRENT APPLICATION DATA:   |
| c> 29 | (A) APPLICATION NUMBER: US/09/619,032  |
| C> 30 | (B) FILING DATE: 19-Jul-2000   |
| 31    | (C) CLASSIFICATION:  |
| 33    | (vii) PRIOR APPLICATION DATA:  |
| 34    | (A) APPLICATION NUMBER: 09/407,806   |
| 35    | (B) FILING DATE:   |
| 37    | (VIII) ATTORNEY/AGENT INFORMATION:   |
| 38    | (A) NAME: Haile, Ph.D., Lisa A.  |
| 39    | PARECISTRATION NUMBER: 38,347  |
| 40    | (C) REFERENCE/DOCKET NUMBER: 09010/004001  |
| 42    | (ix) TELECOMMUNICATION INFORMATION:  |
| 43    | (A) TELEPHONE: 619-678-5070  |
| 44    | (B) TELEFAX: 619-68-5099   |
| 45    | (C) TELEX:   |
| 47    | (2) INFORMATION FOR SEQ ID NO: 1:  |
| 49    | (i) SEQUENCE CHARACTERISTICS:  |
| 50    | (A) LENGTH: 52 base pairs  |
| 51    | (B) TYPE: nucleic acid   |
| 52    |  |
| 53    |  |
| 55    | (ii) MOLECULE TYPE: cDNA   |
| 57    | AND SEQUENCE DESCRIPTION: SEQ ID NO: 1:  |
| 59    | The second of th |
| 61    | (2) INFORMATION FOR SEQ ID NO: 2:  |
| 63    | (i) SEQUENCE CHARACTERISTICS:  |
| 64    | my amy 21 haga naire   |
| 65    | (B) TYPE: nucleic acid   |
| 66    |  |
| 0.0   |  |

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| Output set. R. Chi s   |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 67 (D) TOPOLOGY: linear  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MOLECULE TYPE: CDNA  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| A AROUTING DESCRIPTION: SEU 10 NO. 4.  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| mam Acammacaca Treftacacaca  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75 (2) INFORMATION FOR SEQ ID NO: 3:   |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 77 (i) SEQUENCE CHARACTERISTICS:   |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TENCTH 1041 base Dall'S  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| in mype, nucleic acid  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CO CERTAINTENIESS: SINGLE  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| monorogy: linear   |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DE TRANSPER  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (A) NAME/KEY: Coding Sequence  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\tau_{\text{CARTON}}$ 1 1038  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OBJER INFORMATION:   |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PROPERTON: CEO ID NO! 3:   |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 48             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tou Val Dhe His GIV Ash Led Gin 112  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 92 I   | -              |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a clu pro Ive Val He Giu Lys Rid III 110 - m   |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95 Lys Ser Glu Plo Lys var 120 25 30   | 144            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TO COM THE CCC CTC AAC ATA ACG GGC TAT ACC   | 144            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| on min ton the Gill Gill PIO PIE Gry Lou   |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOO  | , ,            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| The top Dro Lvs ASD TIE TIE Deu var 27 1   | La             |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 104 50 TAC ACG ACG ACG ACG ACG ACG ACG ACG ACG A   |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tour Tio Clu Tie lie GIV IIII Set 112 222 22   | ro             |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 108 00 CAA CAA CAA CAA GTT CAG AGA GAT AGG G   |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| The Dro Tou Car Ard Val Glu Ald Gli Val Gli  | ā1             |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TIZ  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| al. al. tou Dhe Gill Val Ser Pio Lys of I Inc.   | ıu             |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TIO AND COME COO AND CTG AAG GAC AAC GGI IAI O   |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| and the Aca Dro Tle Tle Pro Ala lie Leu Lys Mar  | Lu             |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| THE TOTAL COLUMN THE COLUMN THE TOTAL COLUMN TO THE TOTAL COLUMN THE TOTAL |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| - Pho Ala Ach Glii Ala Met Leu Pile Dei 1124   | ser            |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 124 130 CAC CTT ATA AAG GCC CAA P  | .00            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 To Dwo Tlo Lve Pro Leu Plu nis icu 110 -1-   | arg            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 127 Ala Ile Lys Pro Ile Lys 110 200 155  | L60<br>AGG 528 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 128 145  | 100            |  |  |  |  |  |  |  |  |  |  |  |  |  |
| The New Year Tyr 116 Set 141 Dea Dea 200 1   | ary            |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 132  | AAA J/O        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 134 AAG GCG ATA AAG CIC GII 111 GI   |                |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| 135 Lys Ala Ile Lys Leu Val Phe Glu Gly Lys Val Thr Leu Lys Val Lys |     |      |       |             |       |       |                         |           |                     |                        |                  |                  |            |       |            |       |              |      |
|---|-----|------|-------|-------------|-------|-------|-------------------------|-----------|---------------------|------------------------|------------------|------------------|------------|-------|------------|-------|--------------|------|
|   |     |      |       |             | 100   |       |                         |           |                     | ומס                    |                  |                  |            |       |            |       |              | 604  |
|   | 136 |      | 1 777 | C 7 7       | 000   | сπа   | כככ                     | СТТ       | TGG                 | GTG                    | GCC              | GTG              | AAC        | ACG   | GCT<br>Ala | GTA   | ATG          | 624  |
|   | 138 | GAC  | ATC   | GAA         | אום   | Val   | Dro                     | Val       | Trp                 | Val                    | Ala              | Val              | Asn        | Thr   | Ala        | Val   | Met          |      |
|   |     |      |       | 405         |       |       |                         |           | つロロ                 |                        |                  |                  |            | 200   |            |       |              |      |
|   | 140 |      |       | 195         | NCC   | CTT   | ССТ                     | ርጥጥ       | ΔTG                 | AAT                    | CCT              | AAG              | AAA        | GTG   | GCG<br>Ala | AGC   | TGG          | 672  |
|   | 142 | CTC  | ATC   | GGA         | AGG   | LON   | Dro                     | Leu       | Met                 | Asn                    | Pro              | Lys              | Lys        | Val   | Ala        | Ser   | Trp          |      |
|   |     |      |       |             |       |       |                         | 215       |                     |                        |                  |                  | 220        |       |            |       |              |      |
|   | 144 |      | 210   | <b>a.</b> a | 3 3 C | 7 7 C | አጥጥ                     | CTT       | СТА                 | TAC                    | GGC              | ACC              | GAT        | ATA   | GAG        | TTC   | ATT<br>Ile   | 720  |
|   | 146 | ATA  | GAG   | GAC         | AAG   | AAC   | TIO                     | T.011     | Len                 | Tvr                    | Glv              | Thr              | Asp        | Ile   | Glu        | Phe   | Ile<br>240   |      |
|   | 147 |      |       |             |       |       | $\gamma \gamma \Lambda$ |           |                     |                        |                  | 233              |            |       |            |       |              |      |
|   | 148 | 225  | _     |             | a. a  | a mm  | CCA                     | CCC       | ΔCA                 | AТG                    | AGT              | GTT              | GAG        | GGA   | TTA        | TTA   | GAG<br>Glu   | 768  |
|   | 150 | GGC  | TAT   | AGG         | GAC   | ATT   | GCA<br>Ala              | C117      | λνα                 | Met                    | Ser              | Val              | Glu        | Gly   | Leu        | Leu   | Glu          |      |
|   | 151 | Gly  | Tyr   | Arg         | Asp   | 116   | Ala                     | СТУ       | Arg                 | 1100                   | 250              | •                |            | _     |            | 255   |              |      |
|   | 152 |      |       |             |       | 245   | 3 3 C                   | mcc       | $C \lambda \lambda$ | ርጥር                    | TGC              | CCC              | TCA        | GAG   | CTG        | AAG   | CAC<br>His   | 816  |
|   | 154 | GTT  | ATA   | GAC         | GAG   | CTC   | AAC                     | TCG       | Clu                 | LAU                    | Cvs              | Pro              | ser        | Glu   | Leu        | Lys   | His          |      |
|   | 155 | Val  | Ile   | Asp         |       |       | ASII                    | Ser       | Giu                 | 265                    | Cyb              |                  |            |       | 270        |       |              |      |
|   | 156 |      |       |             | 260   | ~~~   | m 2 4                   | m m 7     | CCC                 | አ <i>ር</i> ጥ           | ሞርር              | AGT              | TGG        | GCA   | GAT        | AAG   | AGC<br>Ser   | 864  |
|   | 158 | AGT  | GGA   | AGG         | GAG   | CTC   | TAC                     | TIA       | 7 × C               | Thr                    | Ser              | Ser              | Trp        | Ala   | Asp        | Lys   | Ser          |      |
|   | 159 | Ser  | Gly   |             |       | Leu   | туг                     | Leu       | 280                 | 7 117                  | DCI              | 502              |            | 285   | ;          |       |              |      |
|   | 160 |      |       | 275         |       |       | 010                     | C N C     | 200<br>777          | GGG                    | . ממ             | ' GCA            | AGA        | CTI   | ' AAT      | ATO   | CTG<br>Leu   | 912  |
|   | 162 | TTG  | AGG   | ATA         | TGG   | AGA   | GAG                     | GAC       | , GAA               | Clu                    | Agr              | Ala              | Arc        | Leu   | . Asn      | Met   | Leu          |      |
|   | 163 | Leu  | Arg   | Ile         | Trp   | Arg   | GIU                     | ASP       | ;                   | GIY                    | NOI.             | 1 113.0          | 300        | )     |            |       |              |      |
|   | 164 |      | 290   | )           | _     |       |                         | 295       |                     | ւ արդրա                | ո դրդու <u>ծ</u> | GCC              |            |       | AGC        | GA    | GCA<br>Ala   | 960  |
|   | 166 | TAC  | LAA!  | ATG         | AGG   | GGC   | GAA                     | CTC       | , GCC               | , lli                  | . II.            | 1 <b>1</b> 1 1 2 | Gli        | ı Ası | n Ser      | Asp   | Ala          |      |
|   | 167 | Туг  | Asn   | n Met       | Arg   | l Glă | Glu                     | Let       | 1 Alc               | PILE                   | ; пес            | 31:              | , U_\<br>5 |       |            | _     | 320          |      |
|   | 168 | 305  | 5     |             |       |       | 310                     | )<br>-    | 3 300               | 7 700                  | י כיתי           | CA'              | ,<br>L GC( | . TT( | CCGC       | G GC  | ATA 5        | 1008 |
|   | 170 | AGO  | G GGP | TGG         | G CCC | CTC   |                         | GAC       | AGC<br>AGC          | AGC                    | TAI              | ı Acı            | n Ala      | a Phe | e Arc      | a Ala | ATA<br>a Ile |      |
|   | 171 | Arg  | g Gly | y Try       | Pro   |       |                         | ) GI      | 1 AL                | AT                     | 330              | , ,,,,,,<br>,    |            |       | _          | 33!   | a Ile<br>5   |      |
|   | 172 |      |       |             |       | 325   | )                       | - 33(     | n cc                | - CN                   |                  |                  | 3          |       |            |       |              | 1041 |
|   | 174 | TA   | r aac | C GA        | r TGC | G AGO | GG'.                    | L AA      | r GG(               | . Cl                   | n Dr             | <u> </u>         |            |       |            |       |              |      |
|   | 175 | Ту   | r Ası | n Ası       |       |       | g GI                    | y AS      | n Gl                | 34                     | 4 FI'            |                  |            |       |            |       |              |      |
|   | 176 |      |       |             | 340   |       |                         | <b>TD</b> | 10.                 |                        | J                |                  |            |       |            |       |              |      |
|   | 179 | (2)  | INF   | ORMA!       | rion  | FOR   | SEQ                     | TD .      | NO:                 | 4:                     |                  |                  |            |       |            |       |              |      |
|   | 181 |      | (i    | ) SE        | QUEN  | CE CI | HARA                    | CTER      | ISTI                | cs.                    | de               |                  |            |       |            |       |              |      |
|   | 182 |      |       | ( )         | A) L  | ENGT  | H: 3                    | 46 a      | mino                | acı                    | us               |                  |            |       |            |       |              |      |
|   | 183 |      |       | (           | B) T  | YPE:  | amı                     | no a      | CIG                 |                        |                  |                  |            |       |            |       |              |      |
|   | 184 |      |       | (           | D) T  | OPOL  | OGY:                    | 1111      | ear<br>toin         |                        |                  |                  |            |       |            |       |              |      |
|   | 186 |      | (ii   | ) MO        | LECU  | LE T  | YPE:                    | pro       | tein                | 1                      |                  |                  |            |       |            |       |              |      |
|   | 188 |      | ( V   | ) FR        | AGME  | NT T  | YPE:                    | INT       | erna                | CEO<br>T               | TD N             | · 4              |            |       |            |       |              |      |
|   | 190 |      | (xi   | ) SE        | QUEN  | CE D  | ESCR                    | TLLT      | ON:                 | PEÄ                    | א עב             | o. 1             | n Tv       | r Al  | a Gl       | u Il  | e Pro        |      |
|   | 192 | Le   | u Ar  | g Al        | a Le  | u Va  | T bp                    | е ні      | S G.L               | у АЗ                   | 10               | , u              | 1          |       |            | 15    | e Pro        |      |
|   | 193 | 1    |       |             |       | 5     |                         | 1 -1      | - 01                | T 7                    | .α λ1            | '<br>a ጥኒ        | r Tl       | e Pi  | o Va       | 1 11  | e Glu        |      |
|   | 194 | Ly   | s Se  | r Gl        | u Pr  | о Га  | s Va                    | T TT      | e GI                | .u гу<br>25            | SWI              | . u _ 1          |            |       | 30         | )     | e Glu        |      |
|   | 195 |      |       |             | ~ ^   |       |                         |           |                     |                        |                  |                  |            |       |            |       |              |      |
|   | 196 | Th   | r Le  |             |       | s Gl  | u GI                    | u PI      | A Pr                | ,<br>ic G <sub>1</sub> | .у пс            | ,u Ac            | ,          | 45    | 5          |       | r Thr        |      |
|   | 197 |      |       |             | •     |       |                         |           | 71.1                | •                      |                  |                  |            |       | -          |       |              |      |
|   | 198 | Le   | u Ly  | s Ph        | ie Le | eu Pr | о гл                    | S AS      | :<br>PD T7          | .C 11                  | е пс             | -u + c           | 60         | )     | _          | _     | e Ala        |      |
|   | 199 |      |       |             |       |       |                         |           | •                   |                        |                  |                  | ~ `        | ,     |            |       |              |      |
|   | 200 | ) Se | er As | sp Le       | eu Il | e Gl  | u 11                    | e 1       | re G                | г <b>У</b> тт          | 11 00            | <u>-</u>         |            |       |            |       | eu Pro       |      |
|   |     |      |       |             |       |       |                         |           |                     |                        |                  |                  |            |       |            |       |              |      |

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|            |           |         |             |                    |           | 70          |            |               |              |          | 75         |     |          |              |       | 80         |
|------------|-----------|---------|-------------|--------------------|-----------|-------------|------------|---------------|--------------|----------|------------|-----|----------|--------------|-------|------------|
| 201        | 65<br>Leu | LOU     | Dro         | T. <del>0</del> 11 | Ser       | Ara         | Val        | Glu           | Ala          | Gln      | Val        | Gln | Arg      | Asp          | Arg   | Val        |
| 202<br>203 |           |         |             |                    | 0 5       |             |            |               |              | 90       |            |     |          |              | -     |            |
| 203        | Lys       | Glu     | Glu         | Leu                | Phe       | Glu         | Val        | Ser           | Pro          | Lys      | Gly        | Phe | Trp      | Leu          | Pro   | GIU        |
| 205        | _         |         |             | 1 0 0              |           |             |            |               | 105          |          |            |     |          | T T 0        |       |            |
| 206        | Leu       | Ala     | Asp         | Pro                | Ile       | Ile         | Pro        | Ala           | Ile          | Leu      | Lys        | Asp | 125      | СтА          | т Хт  | Giu        |
| 207        |           |         | 3 3 E       |                    |           |             |            | ーフロー          |              |          |            |     | T 2 3    |              |       |            |
| 208        | Tyr       | Leu     | Phe         | Ala                | Asp       | Glu         | Ala        | Met           | Leu          | Pne      | Ser        | 140 | птэ      | рси          | 11011 | <b>.</b>   |
| 209        |           | 130     |             |                    | _         |             | 135        | <b>T</b>      | Dmo          | uic      | T.011      |     | Lvs      | Ala          | Gln   | Arq        |
| 210        | Ala       | Ile     | Lys         | Pro                | Ile       | Lys         | Pro        | Leu           | Pro          | нтэ      | Leu<br>155 | 110 | LIU      |              |       | 160        |
| 211        | 145       |         |             | _1                 |           | 150         | T10        | cor           | ጥጥጥ          | T.e.ii   | Leu        | Leu | Arq      | Glu          | Leu   | Arg        |
| 212        | Glu       | Lys     | Arg         | Phe                | Arg       | Tyr         | TTE        | Ser           | тут          | 170      | ЦСС        |     | <b>J</b> |              | 175   |            |
| 213        |           | - 3     | <b>~1</b> _ | T a                | 165       | บรา         | Dhe        | Glu           | Glv          | Lvs      | Val        | Thr | Leu      | Lys          | Val   | Lys        |
| 214        |           |         |             | 100                |           |             |            |               | าหว          |          |            |     |          |              |       |            |
| 215        | 1         | т1.     | C111        | 180                | Val       | Pro         | Val        | Trp           | Val          | Ala      | Val        | Asn | Thr      | Ala          | Val   | Met        |
| 216        |           |         | 105         |                    |           |             |            | - 200         |              |          |            |     | 203      |              |       |            |
| 217        | T 011     | Tla     | Glv         | Ara                | Leu       | Pro         | Leu        | Met           | Asn          | Pro      | Lys        | Lys | Val      | Ala          | Ser   | Trp        |
| 218<br>219 |           |         |             |                    |           |             | 215        |               |              |          |            | Z   |          |              |       |            |
| 219        | Tle       | Glu     | Asp         | Lys                | Asn       | Ile         | Leu        | Leu           | Tyr          | Gly      | Thr        | Asp | Ile      | Glu          | Pne   | Ile<br>240 |
| 221        |           |         |             |                    |           | つつり         |            |               |              |          | 233        |     |          |              |       | _          |
| 222        | Gly       | Tyr     | Arg         | Asp                | Ile       | Ala         | Gly        | Arg           | Met          | . Ser    | · Val      | GLu | GLY      | Leu          | 255   | Glu        |
| 223        |           |         |             |                    | $\sim 4E$ |             |            |               |              | z        |            |     |          |              |       |            |
| 224        | Val       | Ile     | Asp         | Glu                | Leu       | Asn         | Ser        | Glu           | Leu          | . Cys    | Pro        | ser | GIU      | 270          | . шуз | His        |
| 225        |           |         |             | 200                |           |             |            |               | 2 b 7        | )        |            |     |          | <b>—</b> , v |       |            |
| 226        | Ser       | Gly     | Arg         | Glu                | Leu       | Tyr         | Leu        | Arg           | Tnı          | seı      | Ser        | 111 | 285      | ;            |       | Ser        |
| 227        |           |         | 275         | <b>,</b>           | _         | <b>a</b> 1. | 3          | 280           | )<br>. (2) t | , Acr    | ıΔla       | Arc |          |              | Met   | Leu        |
| 228        | Leu       |         |             | Trp                | Arg       | GLU         | ASP        | GIU           | l GI         | ASI      | , Alu      | 300 | )        |              |       | Leu        |
| 229        |           | 290     | )           | •                  | 01-       | . (21)      | 295        | )<br>. 13.1 = | Dh4          | ı Lei    | 1 Ala      |     |          | ı Sei        | Asp   | Ala<br>320 |
| 230        |           |         | n Met       | : Arg              | GLY       | 310         | леч        | LAIC          |              | , ,,,,,, | 315        | ;   |          |              |       | 320        |
| 231        | 305       | 01-     | - 171       | D TO C             | LO        | ) Dro       | ,<br>s Glu | ı Arc         | ı Aro        | ı Lei    | ı Asp      | Ala | a Phe    | e Arg        | g Ala | ı Ile      |
| 232        | Arg       | l GTZ   | TI          | ) PIC              | 325       |             | , 010      | :             | ,            | 330      | )          |     |          |              | 335   | 5          |
| 233        | m         | ~ A ~ * | ι λει       | o Trp              |           |             | / Asr      | ı Gly         | , Gl         | ı Pro    | <b>o</b>   |     |          |              |       |            |
| 234        |           | . ASI   | i wal       | 34(                |           | ,,          | <b>-</b> - |               | 34           | 5        |            |     |          |              |       |            |
| 235        |           |         |             | 240                | •         |             |            |               |              |          |            |     |          |              |       |            |

VERIFICATION SUMMARY

DATE: 09/27/2001

PATENT APPLICATION: US/09/619,032

TIME: 15:42:47

Input Set : N:\Crf3\RULE60\09619032.txt Output Set: N:\CRF3\09272001\I619032.raw

L:5 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:] L:10 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:] L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]